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031431 U.S. PTO  
10/756745  
011304

**PATENT**

Attorney Docket No. TRW(TE)6857

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**NEW APPLICATION TRANSMITTAL**

Transmitted herewith for filing is the patent application of Inventor(s): **Xing Ping Lin**

For (title): **TIRE PARAMETER SENSING SYSTEM HAVING ALTERNATING  
FREQUENCY TRANSMISSION AND TWO CHANNEL RECEPTION AND  
ASSOCIATED METHOD**

Enclosed are:

**1. Papers Required for Filing Date Under 37 CFR 1.53(b):**


- 32 Pages of specification
- 1 Pages Abstract
- 8 Pages of claims
- 3 Sheets of drawing
- ☒ formal (Figs. 1-6)
- ☐ informal

In addition to the above papers there is also attached: **An Information Disclosure Stmt (2 pgs.); and  
PTO-Form 1449 (1 pg.)**

**CERTIFICATION UNDER 37 CFR 1.10**

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date **January 13, 2004** in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number **EU-712715732US** addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**Anita J. Galo**  
(Type or print name of person mailing paper)

  
(Signature of person mailing paper)

2. **Declaration or oath:**

☒ Enclosed (Executed)

☐ Not Enclosed.

3. **Language:**

☒ English

☐ Non-English

☐ A verified English translation of the

☐ specification and claims

☐ declaration

is attached.

4. **Assignment:**

☒ An assignment of the invention to TRW Automotive U.S. LLC

☒ is attached.

☐ will follow

5. **Certified Copy:**

Certified copy (ies) of application (s)

(Country) (Appln. No.) (Filed)

(Country) (Appln. No.) (Filed)

(Country) (Appln. No.) (Filed)

from which priority is claimed

☐ is attached

☐ will follow

6. **Fee Calculation:**  
(Small entity filing fee is 50% normal fee)

CLAIMS AS FILED				
Number Filed	Number Extra		Rate	Basic Fee
				\$ 770.00
Total Claims	18	-20 =	0 X \$ 18.00	0.00
Independent Claims	2	-3 =	0 X \$ 86.00	0.00
Multiple dependent claim(s), if any			0 + \$290.00	0.00

- ☐ Amendment canceling extra claims enclosed  
☐ Amendment deleting multiple dependencies enclosed  
☐ Fee for extra claims is not being paid at this time

Filing Fee Calculation **\$770.00**

7. **Small Entity Statement**

- ☐ The present application is being filed by or on behalf of a **small entity** as defined in 37 CFR 1.9 and 1.27 for purposes of paying reduced fees.

8. **Fee Payment Being Made At This Time:**

Enclosed:

- ☒ basic filing fee **\$770.00**  
☒ assignment recordal fee **\$ 40.00**  
☐ for processing an application with a specification in a non-English language \$

**Total fees enclosed \$810.00**

9. **Method of Payment Fees:**

- ☒ check in the amount of **\$810** enclosed.  
☒ The Commissioner is hereby authorized to charge any **DEFICIENCY** in the filing fees for this application to our Deposit Account No. 20-0090.

10. **Instructions As to Overpayment:**

- ☒ refund

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SIGNATURE OF ATTORNEY, REG. NO. 29,709

Barry L. Tummino  
Type or print name of attorney